

437.3.04 Fabrication

General Provisions 101 through 150.

437.3.05 Construction**A. Setting the Curb**

Set the curb true to line and grade and closely fit the adjacent sections as follows:

1. Thoroughly ram and maul the curbing into place.
2. Immediately after setting the curb, place and compact the backfilling in 4 in (100 mm) layers or less. Use backfill material approved by the Engineer.
3. When setting the curb on a fill or placing more than 6 in (150 mm) of the curb above the surrounding ground, protect the curb by placing at least an 18 in (450 mm) wide bank of dirt behind it level with the top of the curb.
4. Divert the water away from the trench on steep grades or wherever there is a danger of water getting into the trench.
5. Lower the curb for driveways and alleys as directed. Cut and round curb sections adjacent to lowered curbs to 45 degrees.
6. Provide weep holes and drainage openings as indicated on the Plans.

437.3.06 Quality Acceptance

General Provisions 101 through 150.

437.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

437.4 Measurement

Granite curb complete and in place is measured for payment by the linear foot (meter) along the inner top exposed edge nearest the roadway centerline.

Measurement for payment is not made for foundation excavation, preparation, compaction, weep holes, or drainage openings.

437.4.01 Limits

General Provisions 101 through 150.

437.5 Payment

This item will be paid for at the Contract Unit Price per linear foot (meter) for straight curbs, radial, or curved curbs, complete in place and accepted.

Payment will be made under:

Item No. 437	Straight granite curb, [thick] in (mm) x [depth] in (mm), type ____	Per linear foot (meter)
Item No. 437	Circular granite curb, [thick] in (mm) x [depth] in (mm), type ____	Per linear foot (meter)

437.5.01 Adjustments

General Provisions 101 through 150.

Section 438—Precast Concrete Header Curb

438.1 General Description

This work includes furnishing and installing precast concrete header curb according to the Plans.

438.1.01 Definitions

General Provisions 101 through 150.

438.1.02 Related References**A. Standard Specifications**

Section 441—Miscellaneous Concrete

Section 500—Concrete Structures

Section 853—Reinforcement and Tensioning Steel

Section 866—Precast Concrete Catch Basin, Drop Inlet, and Manhole Units

B. Referenced Documents

General Provisions 101 through 150.

438.1.03 Submittals

General Provisions 101 through 150.

438.2 Materials

Use concrete materials that meet the requirements of Section 500, Class AA-1, air entrained, and the following Specifications:

Reinforcing and Tensioning Steel	853.2.01
Dowel Bars and Tie Bars	853.2.08

Ensure that the manufacture and testing of concrete cylinders meet the requirements of Section 866, as applicable.

438.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

438.3 Construction Requirements

438.3.01 Personnel

General Provisions 101 through 150.

438.3.02 Equipment

General Provisions 101 through 150.

438.3.03 Preparation

General Provisions 101 through 150.

438.3.04 Fabrication

General Provisions 101 through 150.

438.3.05 Construction

A. Excavation

Excavate the subgrade to the required grade and cross section shown on the Plans or as directed by the Engineer.

Remove unsuitable material in the subgrade and backfill as necessary.

B. Precast Concrete Header Curb

Use precast concrete header curb as an alternate for granite curb when specified in the Plans.

1. Do not use it with existing or required granite curb, unless shown on the Plans or directed by the Engineer.
2. Make precast header curb in tangent sections only.
3. Pour curbed portions in place according to Section 441. Provide dowels or dowel holes in poured-in-place portions for tying in precast sections.
4. Ensure that precast sections conform to the dimensions and details on the Plans.

438.3.06 Quality Acceptance

General Provisions 101 through 150.

438.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

438.4 Measurement

Precast concrete header curb complete in place is measured per linear foot (meter). Excavation and backfill are not measured separately for payment.

438.4.01 Limits

General Provisions 101 through 150.

438.5 Payment

This Item measured for payment includes the required excavation, backfill, and incidentals to complete the Item.

Payment will be made under:

Item No. 438	Precast concrete header curb [height] in (mm)	Per linear foot (meter)
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438.5.01 Adjustments

General Provisions 101 through 150.

Section 439—Portland Cement Concrete Pavement (Special)

439.1 General Description

This work includes constructing pavement composed of Portland cement concrete, with or without reinforcement as specified, on a prepared subgrade or subbase course.

Follow the requirements of these Specifications and conform with the lines, grades, thicknesses, and typical cross-sections shown on the Plans or established by the Engineer.

439.1.01 Definitions

General Provisions 101 through 150.

439.1.02 Related References

A. Standard Specifications

Section 152—Field Laboratory Building
 Section 430—Portland Cement Concrete Pavement
 Section 431—Grind Concrete Pavement
 Section 461—Sealing Roadway and Bridge Joints and Cracks
 Section 500—Concrete Structures
 Section 800—Coarse Aggregate
 Section 801—Fine Aggregate
 Section 830—Portland Cement
 Section 831—Admixtures
 Section 832—Curing Agents
 Section 833—Joint Fillers and Sealers
 Section 853—Reinforcement and Tensioning Steel
 Section 880—Water
 Section 886—Epoxy Resin Adhesives

B. Referenced Documents

AASHTO T 126
 AASHTO T 22